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B.M.S COLLEGE FOR WOMEN, AUTONOMOUS
BENGALURU – 560004
SEMESTER END EXAMINATION –SEPT/OCTOBER-2023

B.C.A.- 4th Semester

SOFTWARE ENGINEERING
(NEP Scheme 2021-22 Onwards)

Course Code: BCA4DSC10
Time: 2 ½ Hours

QP Code: 4031
Max. Marks: 60

Instructions: Answer all the sections

PART-A

I. Answer any TEN questions. Each question carries TWO Marks. (10X2=20)

1. What is Software Engineering?
2. Define SDLC.
3. What is Clean Room Strategy?
4. What are the benefits of Reengineering?
5. Define Black-Box Testing?
6. What is Big Bang Approach?
7. Why is it important to create a good SRS document?
8. Write the need or importance of Feasibility Study.
9. What is CMMI
10. What is Release Planning?
11. What are Software Risks?
12. What is Gantt chart?

PART-B

II. Answer any SIX questions. Each question carries 5 marks (5X6=30)

13. Explain Classical Waterfall Life Cycle Model.
14. Explain the Key Principles of XP (Extreme Programming)?
15. Explain the Roles and Responsibilities of Project Manager?
16. What is Box Structure Specification? Explain the types of boxes?
17. What is white box testing? Explain the techniques of White box testing.
18. Explain Project Scheduling Tools and Techniques?
19. What is Risk Projection? Explain its Process.
20. Explain the Challenges in Software Maintenance.

PART-C

III. Answer any one question. Each question carries 10 marks (1X10=10)

21. Explain the Phases of Spiral Model.
22. Explain the features of Software Configuration Management.

23. Explain the types of Formal Specification Language.

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